Power Supply, 20-inch
Replacement Instructions

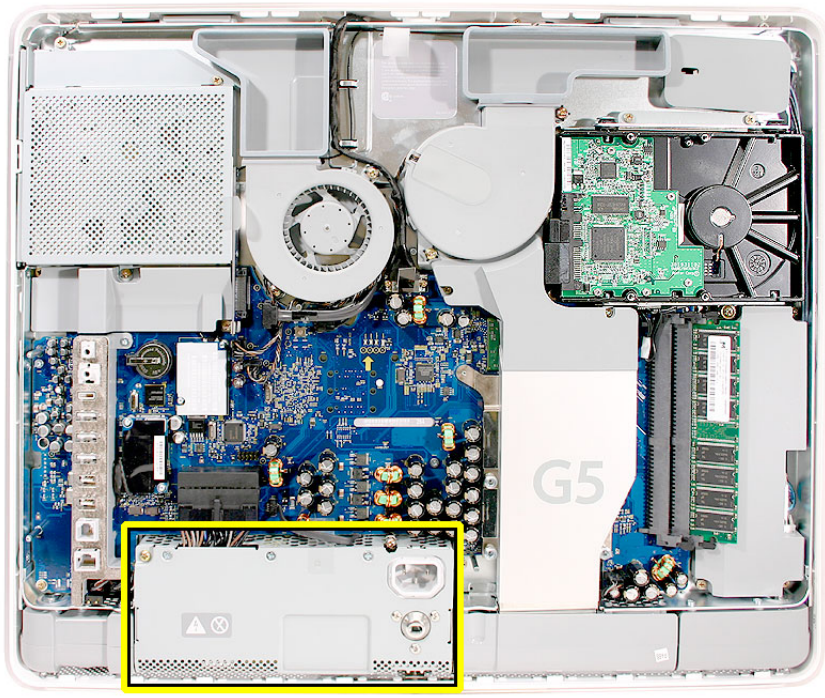
Follow the instructions in this document carefully. Failure to follow these instructions could damage your equipment and void its warranty.

Note: Online instructions are available at http://www.apple.com/support/doityourself/.

Tools Required

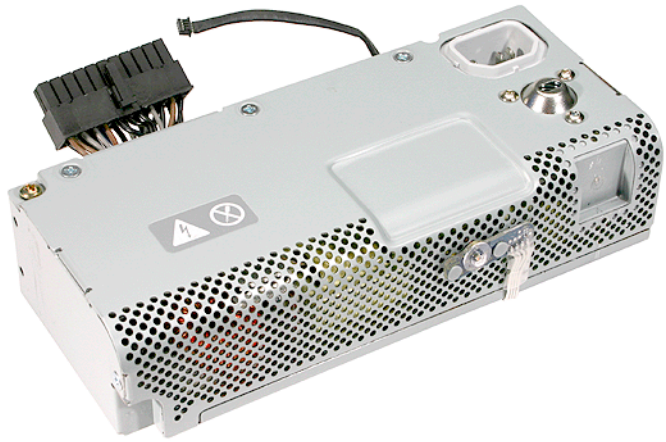
- Use the screwdriver provided, or a Phillips #2 screwdriver, preferably with a magnetized tip
- Flat-blade screwdriver
- Screw tray or equivalent to hold the screws

Part Location



Important Things to Know

1. The replacement power supply has an ambient light sensor attached with two plastic rivets. If your computer doesn't have an ambient light sensor, remove the ambient light sensor from the power supply before installing the replacement power supply.



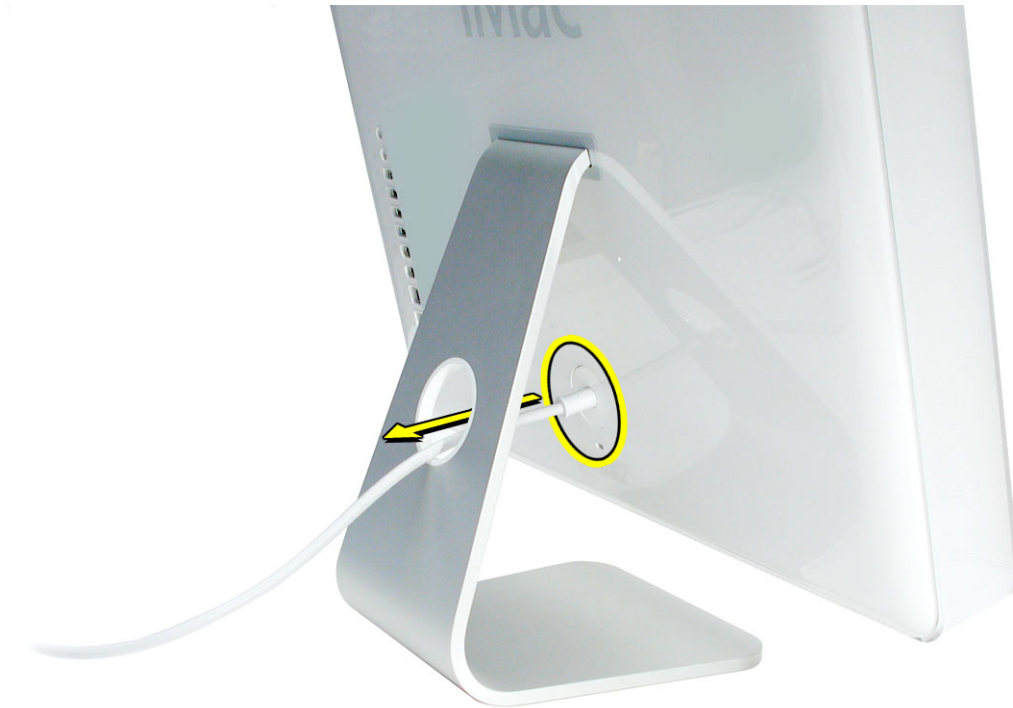
2. How do you tell if you have the iMac G5 with the ambient light sensor? Look at the picture below. Next to the middle screw is a small bump protruding from the case. This is the ambient light sensor.

3. **All customer removable screws are brass colored. Do not remove screws unless they are brass colored, or you will void your warranty.**
4. Ground yourself when working on the computer. The procedure will show you how to ground yourself.
5. Do not pull on individual wires when disconnecting a part; pull on the connector.

Opening the Computer

Note: These instructions cover the iMac G5 (20-inch) models. The models may look slightly different from one shown in the illustration; however, the following procedure applies to both models.

1. Turn off your computer by choosing Shut Down from the Apple (apple) menu.
2. Disconnect all cables, and unplug the power cord from your computer.

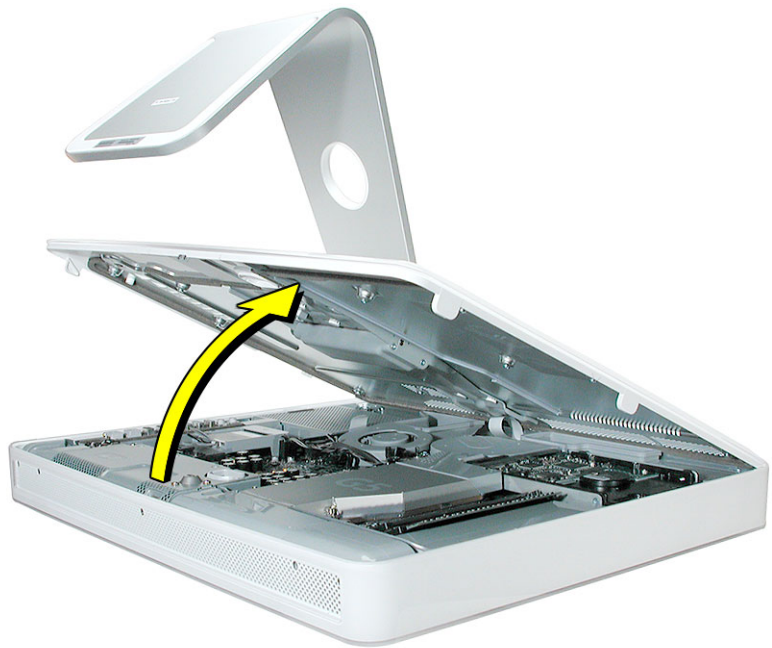


3. Place a soft, clean towel or cloth on the desk or surface. Hold the sides of the computer and slowly lay the computer face down as shown.

4. Locate the three case screws circled below. Lift the metal foot to locate the middle case screw. **Note:** These screws are captive; they are part of the display/bezel assembly and cannot be removed.

   Using the tool provided, or a Phillips #2 screwdriver, loosen the three captive screws. **Note:** Turn the screws counterclockwise until they stop turning.

5. Holding the back cover by the metal foot, tilt the cover up and lift it off the computer. Set the back cover aside.

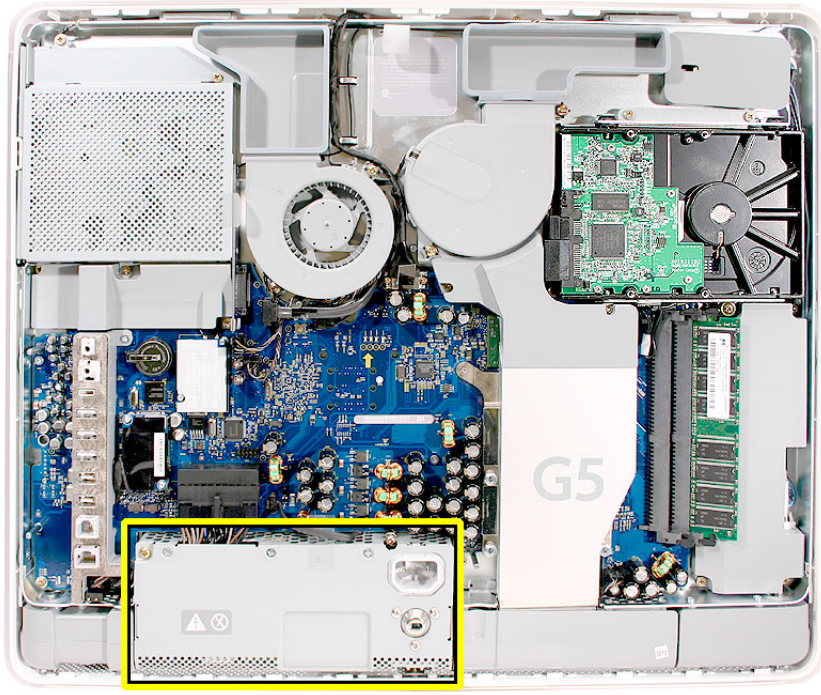


Removing the Power Supply

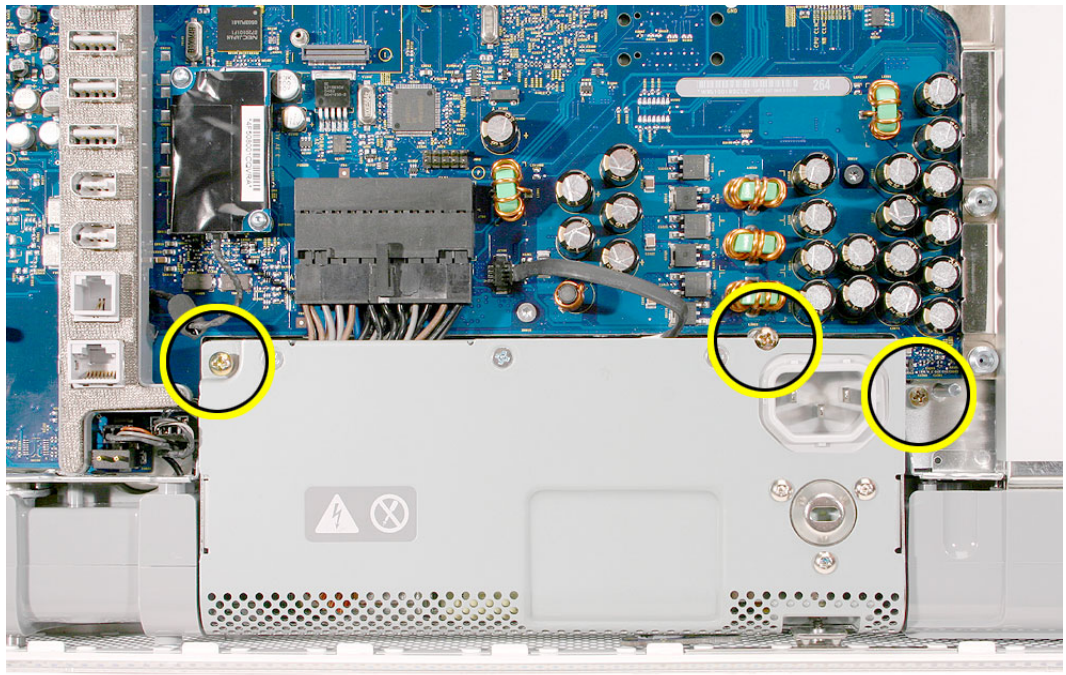
1. Ground yourself. Touch the metal surface (as shown below) on the inside of the computer to discharge any static electricity.

   Warning: Always discharge static electricity before you touch any parts or install any components inside the computer. To avoid generating static electricity, do not walk around the room until you have finished installing the part and closed the computer.

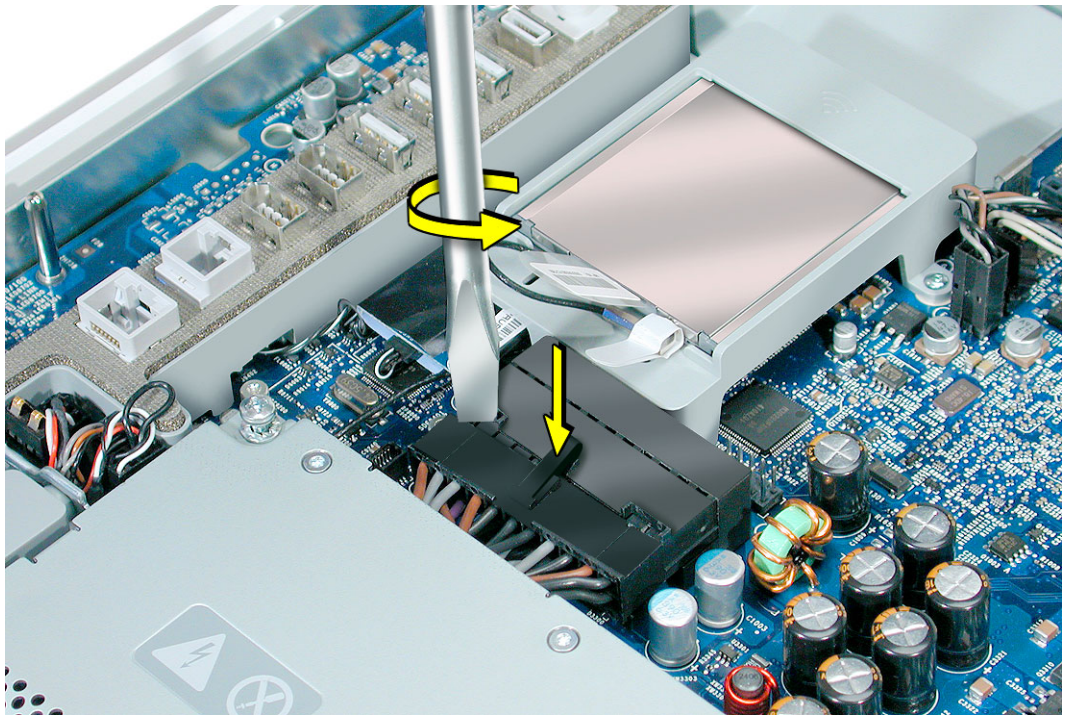
2. Locate the power supply shown in the picture below.



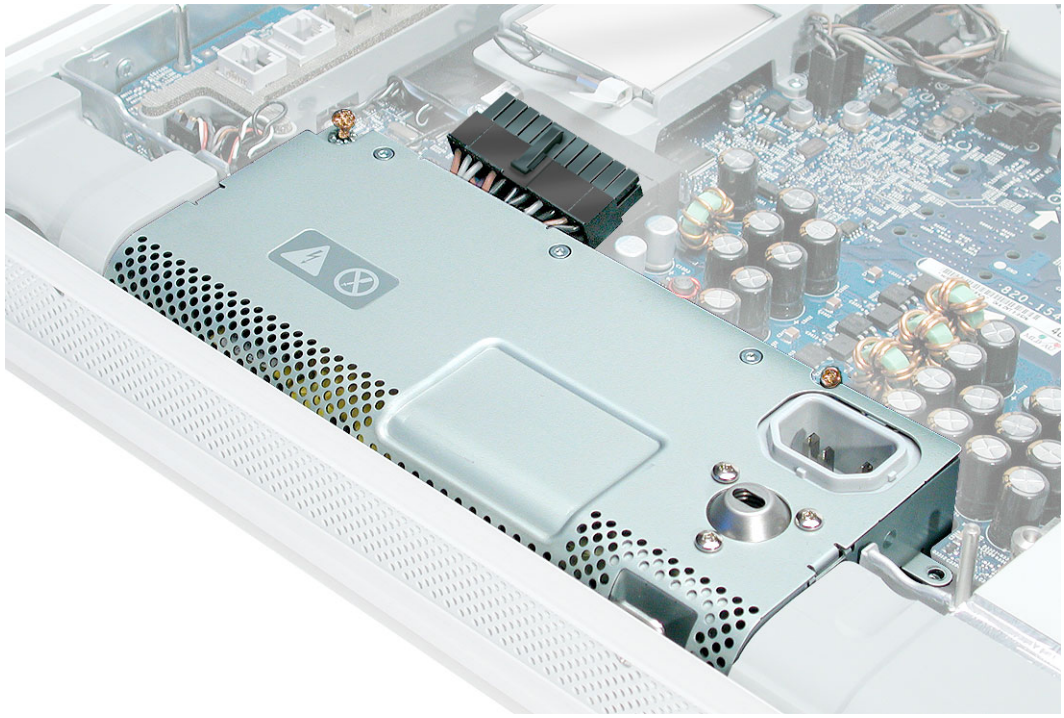
3. Remove the screw on the far right and loosen the other two screws by turning them to the left. **Note:** The middle screw and the screw on the left are captive; they will not come out of the power supply.



4. Disconnect the power supply cable by pressing the connector release tab and using a wide, flat blade screwdriver to pry apart the connector.

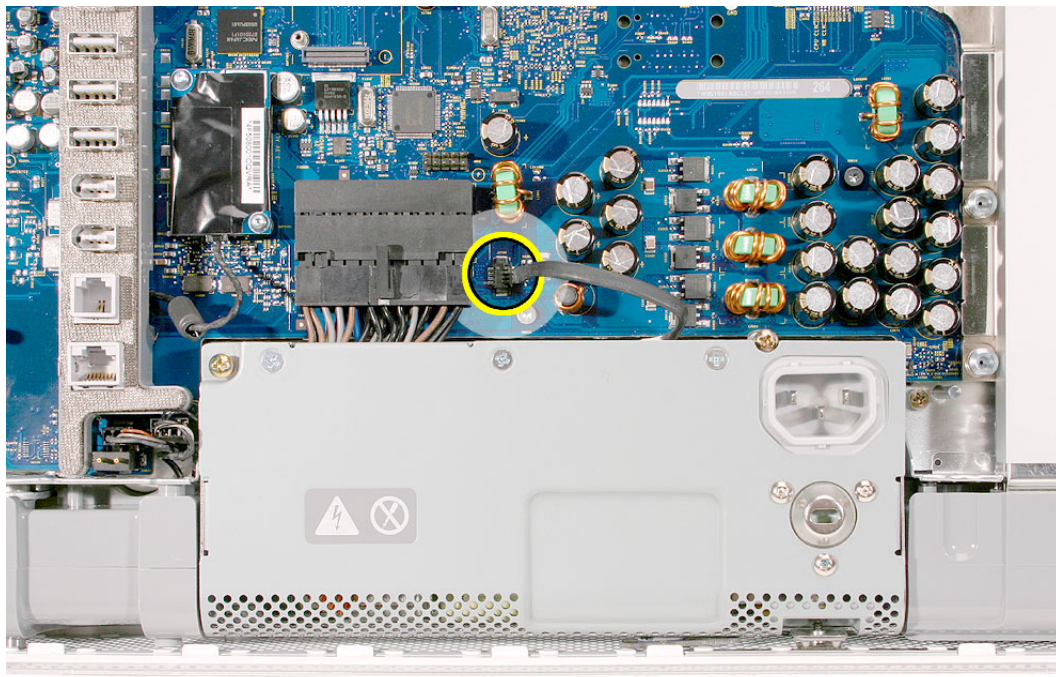


5. With your fingers, pry the cable off the connector.

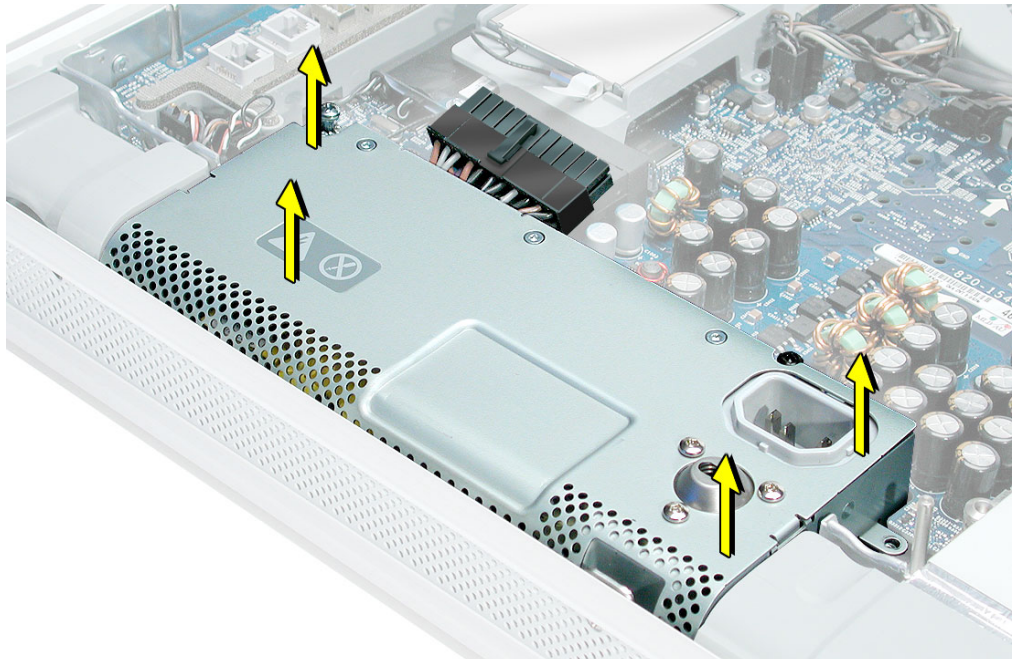


6. Proceed to the next step if you do not have and ambient light sensor. For more information, refer to “Important Things to Know”, step 1 and 2 at the beginning of this procedure.

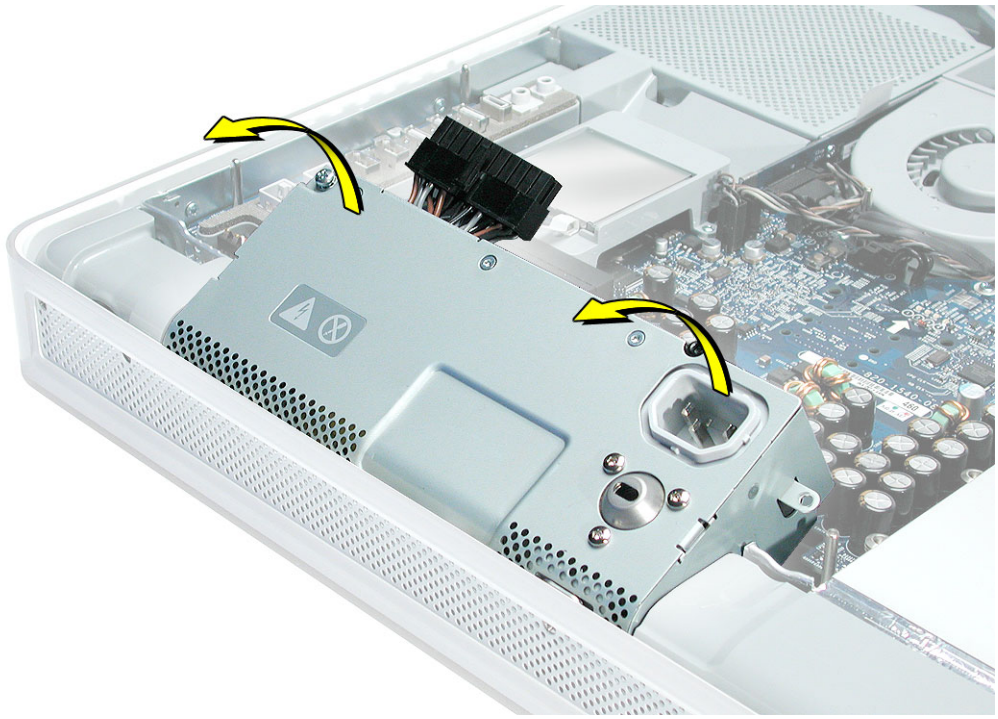
   If you have the iMac G5, with the ambient light sensor, disconnect the ambient light sensor cable (circled) from the logic board.



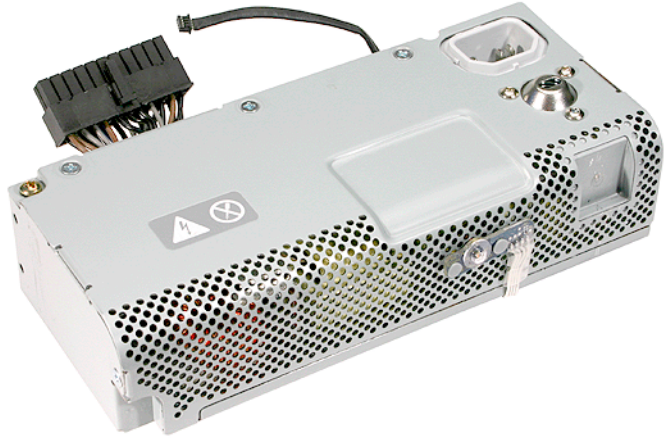
7. Lift up the power supply at the sides.



8. Grab the power supply by the sides and tilt the power supply toward you until it clears the edge of the main circuit board.



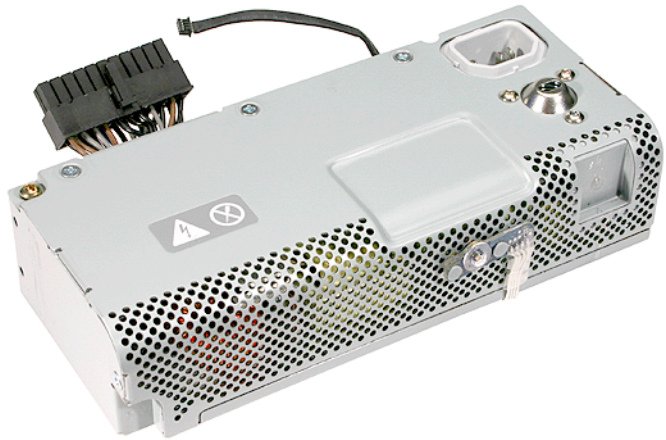
9. Return the power supply and the ambient light sensor to Apple in the packaging provided.



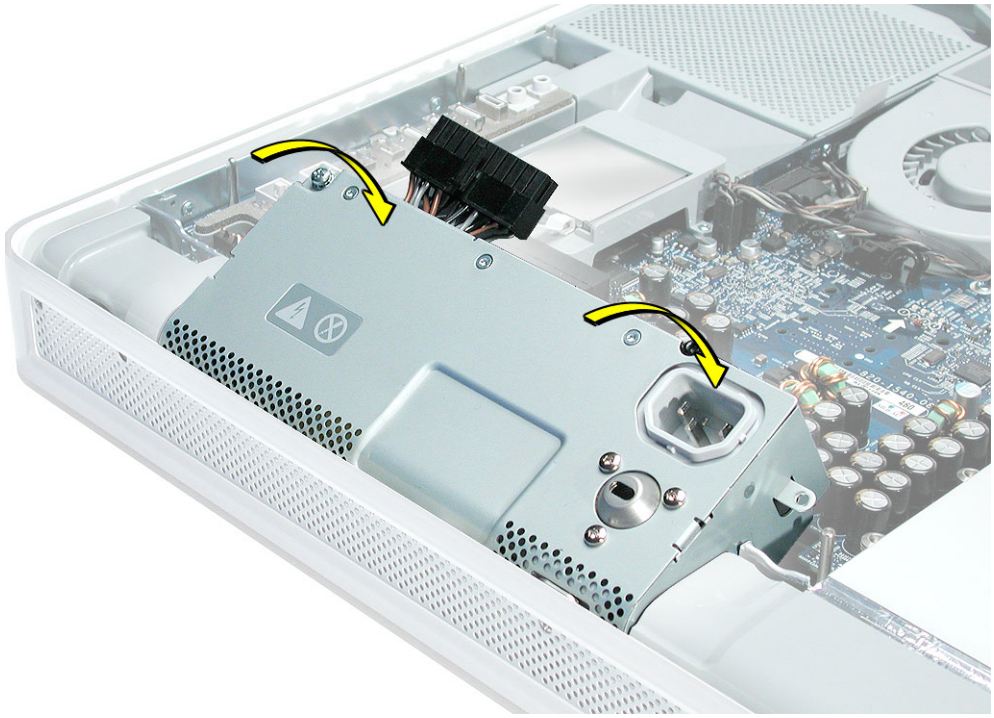
Installing the Replacement Power Supply

1. Remove the replacement power supply from its packaging.

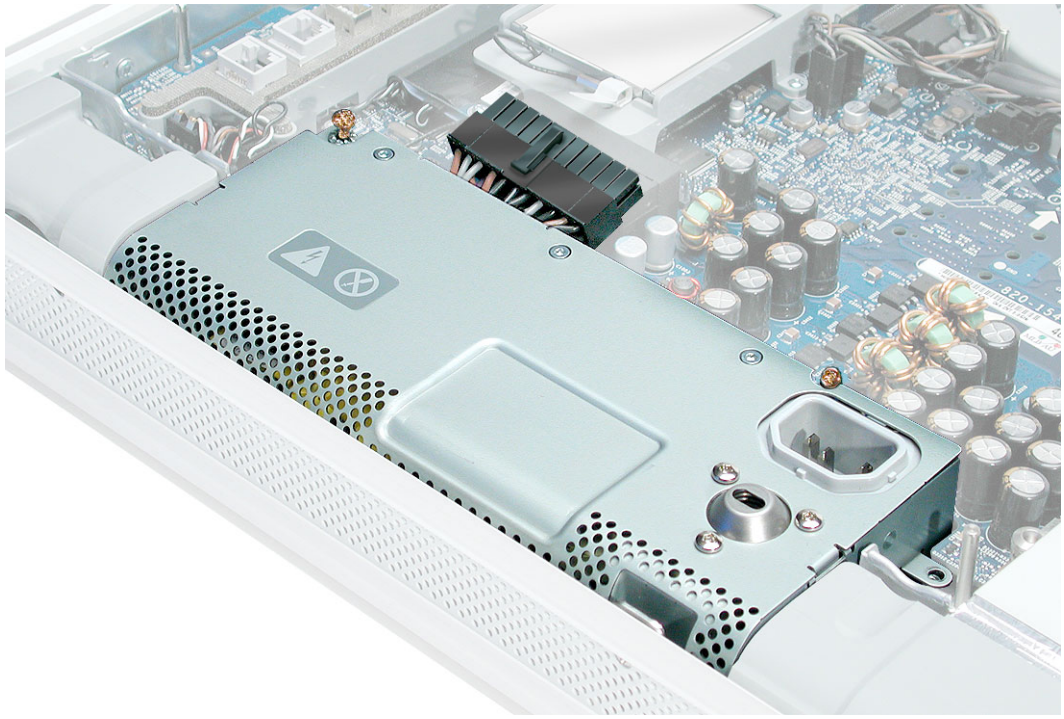
   Replacement Note: If your computer does not have an ambient light sensor, remove the sensor that is riveted to the front of the power supply. Use your fingers or a flat-blade screwdriver to remove the sensor.



2. Replace the power supply. Tilt the power supply until it clears the edge of the logic board. Lower it into place. **Note:** The ambient light sensor cable routes under the power supply and the cable fits into a notched-out area on the logic board.

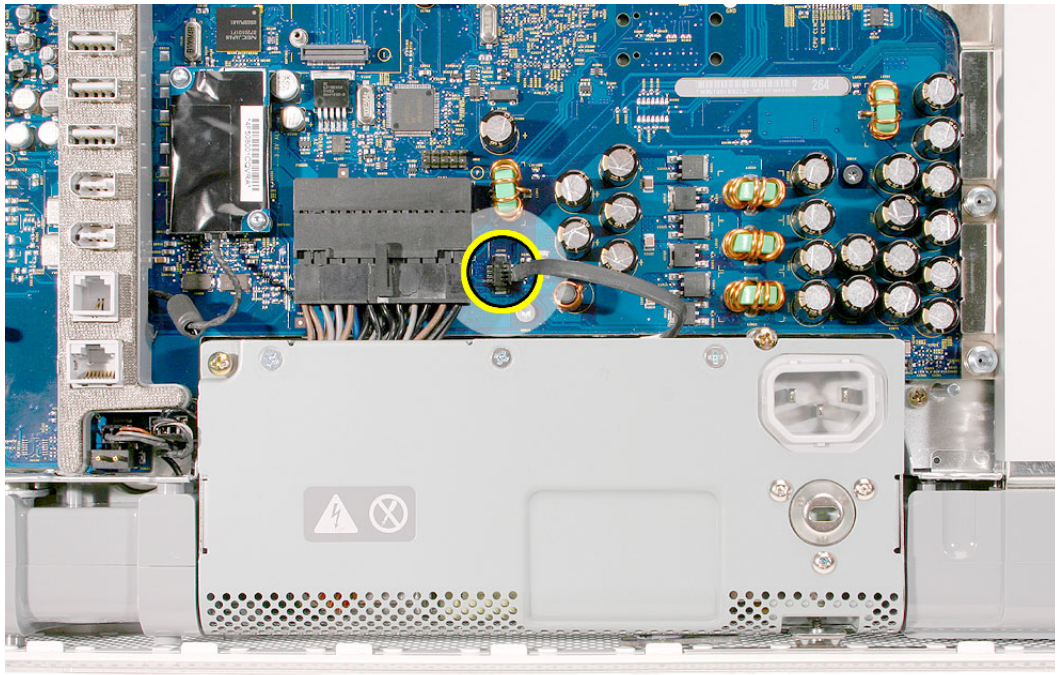


3. When the power supply is installed properly it should be flush with the gray plastic parts on the right and left sides of the power supply.

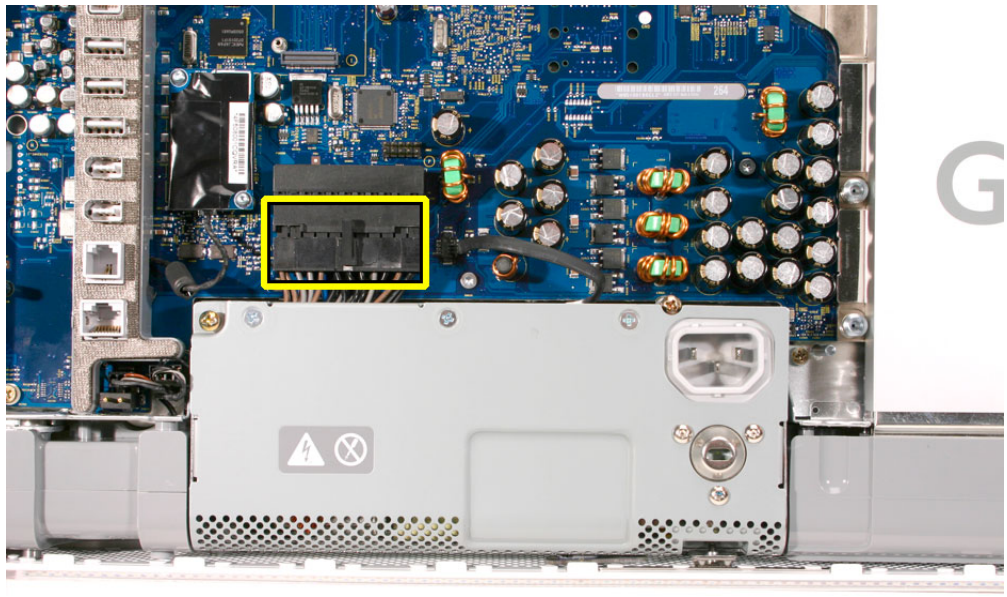


4. If your system has the ambient light sensor, make sure the ambient light sensor is seated into the hole on the display bezel. You should be able to feel a bump (circled) when you run your finger across the bottom of the display bezel. If it's not in position, reseat the power supply before replacing the back cover.

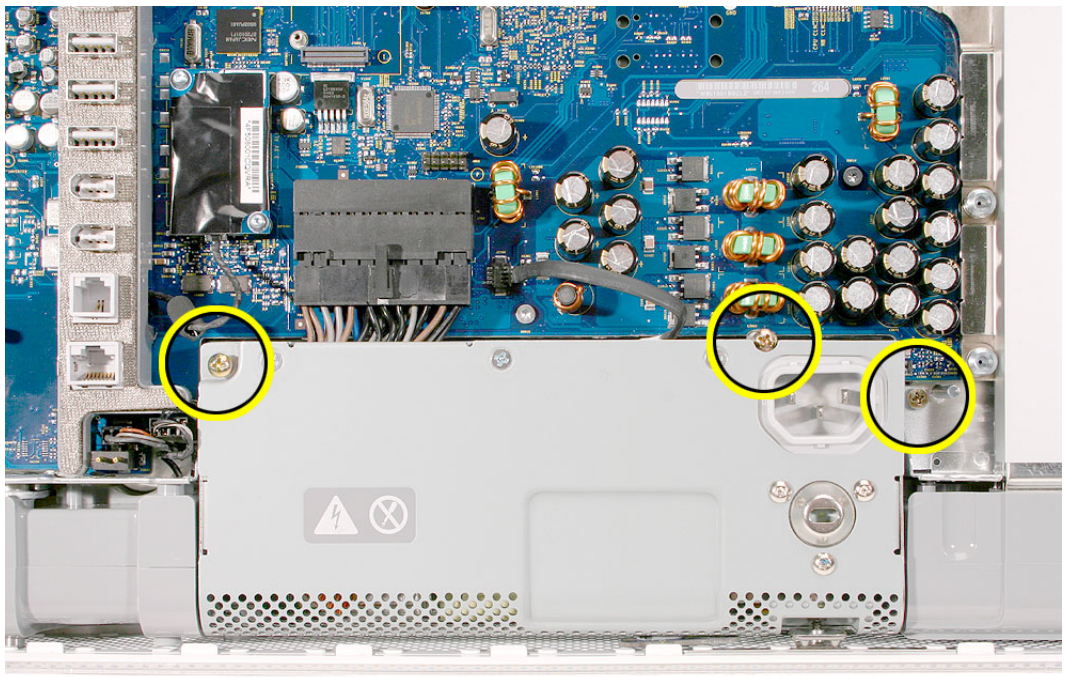
5. Connect the ambient light sensor cable to the connector on the logic board (if your computer model has one). If no ambient light sensor, continue with the procedure.



6. Connect the black power supply connector



7. Tighten the two captive screws and replace the screw on the right.



Closing the Computer

1. Replace the cover so that the slots on the top edge of the cover mate with the tabs on the display housing.

2. Lower and press the cover into place until it fits snugly on the computer.

3. Tighten the case screws by turning them clockwise. You might need to tighten the middle screw first, then adjust the corner screws so the case settles into the display/bezel.

4. Position the computer in the upright position. Reconnect the power cord and remaining cables. Turn on the computer.

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